

light transmission means is provided with a coat of magnetic material or is located within a close-fitting magnetic tube.

5 31. A scanning apparatus comprising:

an X drive for driving a light transmission means an X drive for driving a light transmission means having an exit tip in an X direction;

a Y drive for driving a light transmission means 10 having an exit tip in a Y direction;

an X drive input signal generator for providing an X drive input signal; and

a Y drive input signal generator for providing a Y drive input signal modulated by a modulating signal derived from said X drive input signal;

wherein said exit tip executes a scan pattern when driven simultaneously by said X drive and said Y drive.

20 32. A scanning apparatus comprising:

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an X drive for driving a light transmission means having an exit tip in an X direction;

a Y drive for driving a light transmission means having an exit tip in a Y direction;

an X drive input signal generator for providing a square wave X drive input signal; and

a Y drive input signal generator for providing a Y drive input signal by generating a sawtooth signal and modulating said sawtooth signal with a modulating signal derived from said X drive input signal;

wherein said exit tip executes a scan pattern when driven simultaneously by said X drive and said Y drive.

35 33. An apparatus as claimed in claim 31, wherein said scan pattern is elliptical and has an eccentricity that is always greater than zero.